

Title (en)  
FLUORORESIN MEMBRANE, FLUORORESIN COMPOSITE, POROUS FLUORORESIN COMPOSITE, PROCESSES FOR PRODUCTION OF THEM, AND SEPARATION MEMBRANE ELEMENT

Title (de)  
FLUORHARZMEMBRAN, FUORHARZVERBUNDWERKSTOFF, PORÖSER FLUORHARZVERBUNDWERKSTOFF, HERSTELLUNGSVERFAHREN DAFÜR UND TRENNMEMBRANELEMENT

Title (fr)  
MEMBRANE DE RÉSINE FLUORÉE, COMPOSITE DE RÉSINE FLUORÉE, COMPOSITE POREUX DE RÉSINE FLUORÉE, PROCÉDÉS POUR LA PRODUCTION DE CEUX-CI ET ÉLÉMENT DE TYPE MEMBRANE POUR LA SÉPARATION

Publication  
**EP 2067814 A1 20090610 (EN)**

Application  
**EP 07792012 A 20070806**

Priority  
• JP 2007065339 W 20070806  
• JP 2006217498 A 20060809  
• JP 2007121222 A 20070501

Abstract (en)  
There are provided a fluororesin thin film which is composed of a fluororesin, which has a thickness of 20 µm or less and a Gurley's number of 300 seconds or more, and which includes no defects, such as voids and/or cracks; a method for manufacturing the fluororesin thin film in which after a fluororesin dispersion including a dispersing medium and a fluororesin powder dispersed therein is applied on a flat and smooth foil, the dispersing medium is dried, and the fluororesin powder is sintered; the fluororesin dispersion; a fluororesin composite including a porous base material and the fluororesin thin film; a manufacturing method thereof; a porous fluororesin composite formed by stretching the fluororesin composite; and a separation membrane element using the porous fluororesin composite.

IPC 8 full level  
**C08J 5/18** (2006.01); **B01D 67/00** (2006.01); **B01D 69/12** (2006.01); **B01D 71/32** (2006.01); **B01D 71/34** (2006.01); **B01D 71/36** (2006.01); **B32B 15/082** (2006.01); **B32B 27/30** (2006.01); **C08J 9/24** (2006.01); **C08J 9/28** (2006.01); **B01D 63/06** (2006.01)

CPC (source: EP KR US)  
**B01D 63/06** (2013.01 - EP); **B01D 63/069** (2022.08 - US); **B01D 67/0004** (2013.01 - EP); **B01D 67/00041** (2022.08 - US); **B01D 67/0027** (2013.01 - EP US); **B01D 69/12** (2013.01 - EP); **B01D 69/1213** (2022.08 - KR US); **B01D 71/32** (2013.01 - EP US); **B01D 71/34** (2013.01 - EP US); **B01D 71/36** (2013.01 - EP US); **B32B 1/08** (2013.01 - EP US); **B32B 7/12** (2013.01 - EP US); **B32B 15/08** (2013.01 - EP US); **B32B 15/082** (2013.01 - KR); **B32B 15/16** (2013.01 - EP US); **B32B 15/20** (2013.01 - EP US); **B32B 27/322** (2013.01 - EP US); **C08J 5/12** (2013.01 - KR); **C08J 5/18** (2013.01 - EP US); **C08L 27/12** (2013.01 - KR); **B01D 2323/26** (2013.01 - EP US); **B01D 2325/04** (2013.01 - US); **B32B 2255/06** (2013.01 - EP US); **B32B 2255/26** (2013.01 - EP US); **B32B 2264/0257** (2013.01 - EP US); **B32B 2307/202** (2013.01 - EP US); **B32B 2307/54** (2013.01 - EP US); **B32B 2307/704** (2013.01 - EP US); **B32B 2307/726** (2013.01 - EP US); **C08J 2327/12** (2013.01 - EP KR US); **Y10T 428/249991** (2015.04 - EP US)

Cited by  
EP2837653A4; EP2789380A4; EP3002054A1; WO2020072058A1

Designated contracting state (EPC)  
DE FR GB IT

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**EP 2067814 A1 20090610**; **EP 2067814 A4 20120912**; CN 101501113 A 20090805; CN 101501113 B 20130313; CN 102336993 A 20120201; EP 2596853 A1 20130529; EP 2596853 B1 20170927; JP 2009179802 A 20090813; JP 4371176 B2 20091125; JP 5158522 B2 20130306; JP WO2008018400 A1 20091224; KR 101451634 B1 20141016; KR 101453404 B1 20141022; KR 20090036124 A 20090413; KR 20140089439 A 20140714; TW 200829630 A 20080716; TW I406887 B 20130901; US 2010203310 A1 20100812; US 2015069675 A1 20150312; US 9463420 B2 20161011; WO 2008018400 A1 20080214

DOCDB simple family (application)  
**EP 07792012 A 20070806**; CN 200780029499 A 20070806; CN 201110196340 A 20070806; EP 13156468 A 20070806; JP 2007065339 W 20070806; JP 2008528806 A 20070806; JP 2009111817 A 20090501; KR 20097002174 A 20070806; KR 20147016866 A 20070806; TW 96128941 A 20070807; US 201414541905 A 20141114; US 37654507 A 20070806